



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/814,297	04/01/2004	Masaki Tsuchida	008312-0309051	6131
909	7590	03/10/2006		EXAMINER
		PILLSBURY WINTHROP SHAW PITTMAN, LLP		HEALY, BRIAN
		P.O. BOX 10500		
		MCLEAN, VA 22102		
			ART UNIT	PAPER NUMBER
				2883

DATE MAILED: 03/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/814,297	TSUCHIDA, MASAKI	
	Examiner	Art Unit	
	Brian M. Healy	2883	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) 11-13 is/are allowed.
- 6) Claim(s) 1-4 and 9 is/are rejected.
- 7) Claim(s) 5-8 and 10 is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

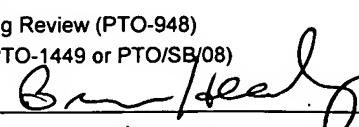
- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 01 April 2004 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
 Paper No(s)/Mail Date 04/01/2004 

- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____.

DETAILED ACTION

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4 and 9 are rejected under 35 U.S.C. 102(b) as being anticipated by Hsu et. al., U.S.P. No.6,263,002.

Hsu et. al. 002' teaches (Figs.1-11B) a laser output device comprising : an optical fiber 7 which is held by a support/ferrule 6 with the end portion (it is inherent that the end portion of the fiber is ground and polished before use as is commonly done with fiber terminations) of the fiber including a pressed mirror 1 (the mirror is held by adhesive bonding which also creates tensile forces) which reflects specific wavelengths and is used in conjunction with a pump laser source in order to form a resonant cavity with the fiber used being doped with an active material, which clearly, fully meets Applicant's claimed limitations.

Allowable Subject Matter

Claims 5-8 and 10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Neither Hsu et. al. 002' or any of the prior art of record teaches or suggests a laser output device including the limitations of claim 1 (or 9) with the additional limitations of a polished curved fiber end portion (claim 5), a support portion which presses the mirror into the fiber with a bias force (claims 6 and 7) and having a modulation portion which acts to perform spatial modulation (claims 8 and 10).

Claims 11-13 are allowed over the prior art of record. Neither Hsu et. al. 002 or any of the references of record teaches or suggests the claimed video display apparatus including the fiber laser apparatus with wavelength selective mirror, a modulation portion and a display portion corresponding to R,G,B lights which projects synthesized light to a projection screen.

The following references are also cited by the Examiner as being pertinent prior art: Cho et. al., U.S.P. No. 5,476,461 (Figs.1-3), Naganuma et. al., U.S.P. No. 6,310,717 (Figs.1-9), Frapin et. al., U.S.P. No. 5,663,817 (Figs.1-3), Thiel, U.S.P. No. 3,874,781 (Figs.1-4) and Eide et. al., U.S.P. No. 5,031,984 (Figs.1-13).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian M. Healy whose telephone number is

(571)272-2347. The examiner can normally be reached on Compressed schedule Tues.-Thurs. 7AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Frank Font can be reached on (571)272-2415. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**Brian M. Healy
Primary Examiner
Art Unit 2883**



**Brian Healy
Primary Examiner**